BRUHAT BENGALURU MAHANAGARA PALIKE

Name of the Work :- Removal of silt & Repairs and Maintenance of footpaths in ward no- 04 Yelahanka New Town.

Sl No	Description of work	No	Detailed Estimate Dimensions L	B	D	Estimate Cost Rs. Quantity	Rate	Unit	55,00,000.00 Amount
	Ward No-04 Yelahanka Satellite Town Road Details								
	Total No. of Road			**No**	**479**				
	Total Length of Road			**Mtrs**	**87056.37**				
	Total Length of Asphalt Road			**Mtrs**	**65659.95**				
	Total Length of Cement Concrete Road			**Mtrs**	**17824.23**				
	Total Length of Drain			**Mtrs**	**42782.00**				
	Total Length of Footpath			**Mtrs**	**3020.00**				
1	Supply of **Unskilled Mazdoor Heavy Labours** As per orders of minimum wages Act KAE 02 LMW 2015 Dt: 06-01-2017 for emergency works. SR 2023-24 [P. No-A-50, SL. No-IV, Vol-1, Zone-1]								
	(24 Days x 12 months x 8 Labours)					**2304.00**	**643.40**	**Day**	**14,82,393.60**
	Basic Rate=Rs.643.40								
2	Supply of **Skilled Mason or Brick layer Class-1**As per orders of minimum wages Act KAE 02LMW 2015 Dt: 06-01-2017 for emergency works.SR 2023-24 [P.No-A-49, SL. No-II-3 Vol -1,Z-1]								
	(24 Days x 12 months x 1 Mason)					**288.00**	**676.67**	**Day**	**1,94,880.96**
	Basic Rate=Rs.676.67								
3	**Providing and laying 100mm thick pre-cast cover slabs** over drains &Rain pit of width not exceeding 800 mm using M20 concrete reinforcedwith Micro Alloyed High carbon steel with 3mm - 3ply wired steel @ 2.00kg/m2, slabs jointed in CM 1:3 proportion and nicely finished Includingproviding holes in the Cover slabs wherever necessary for easy drainageof surface water including of labour, materials, scaffolding, usage ofmachinery, curing, lead and lift charges etc, Complete.SR 2023-24 (Pg no-176, Sl no-17.12, Vol 2)								
	Consdering 0.5% of the total drain length		205.00	0.90		184.50			
						184.50	**1020.80**	**Sqm**	**188337.60**
	Basic Rate	**928.00**							
	Area Weightage @ 10%	**92.80**							
	Total	**1020.80**							
4	**Providing and fixing pre cast solid cement concrete kerb stones** made out of M20 witht top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork,curing, including cost of all materials, labhour, hire charges of machinery, loading, unloading, lead and lift, trasportation etc., complete. as directed by the Engineer in Charge of the work(Approved Rate Analysis copy enclosed)								
	Consdering 0.25% of total length of the drain		106.53			106.53	Mtr		
			106.53	**0.45**		**236.73**			
						237.00	**557.70**	**Nos**	**1,32,174.90**
	Data Rate	**507.00**							
	Area Weightage @ 10%	**50.70**							
	Total	**557.70**							
5	**Providing and laying 60mm thick factory made cement concrete paverblock** of approved shape and colour of M -30 grade made of C&D wasteby block making machine with vibratory compaction laid in requiredpattern and including over 50mm thick compacted bed of coarse sand,filling the joints with fine sand etc. all complete as per the direction ofEngineer-in-charge SR 2023-24(pg,no-63, Sl. no 9.25, vol -2)								
	Considering 1% of the total footpath length		30.20	1.20		36.24			
						36.24	**880.00**	**Sqm**	**31,891.55**
	Basic Rate	**800.00**							
	Area Weightage @ 10%	**80.00**							
	Total	**880.00**							
7	**Lead for disposal of earth shall be payable at Carriage rates** (Lead & Lift) by mechanical means including loading and unloading up to 15kms.								
	Desilting of drains / Silt or Soil deposits on the Road/Footpath / Debris from various sources in ward jurisdiction					1300.00			
						1300.00	**221.32**	**Cum**	**2,87,716.89**
	Loading and Unloading(P.No.5, I.No.1.1.C, Vol.3)SR 2023-24	86.00							
	Cost of Haulage Case-1:Surface road at 5 t.km(P.No.5,I.No.1.4.D,Vol.3)t.kmx15KM(6x15x1.28= 96/Cum)SR 2023-24	115.20							
	Basic Rate	**201.20**							
	Area Weightage @ 10%	**20.12**							
	Total	**221.32**							

8	**Providing and constructing un-reinforced plain cementconcrete pavement,** thickness as per design, over a preparedsub base, with 43 grade cement or any other type as perClause 1501.2.2 M20 (Grade), coarse and fine aggregatesconforming to IS:383:2016, maximum size of coarseaggregate not exceeding 25 mm, mixed in a conorete mixerof not less than 0.2 cum capacity and appropriate weighbatcher using approved mix design, laid in approved fixedside formwork (steel channel, laying and fixing of 125 micronthick polythene film, wedges, steel plates including levellingthe formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate.(P.No.148, Sl.No.16.27, Vol.3)SR 2023-24								
	Considering 1.25% of the total cement concrete road length		222.80	5.00	0.10	111.40			
					Total	111.40	7,011.40	Cum	7,81,072.76
	Basic Rate	6374.00							
	Area Weightage @ 10%	637.40							
	Total	7011.40							
9	Supply of Material component **Bitumen (emulsion) Rapid Setting RS1*** for all road works. [P. No-A-10, SL. No-23, Vol-3] SR 2023-24								
						2.00	47,520.00	t	95,182.56
	Basic Rate	43200.00							
	Area Weightage @ 10%	4320.00							
	Total	47520.00							
10	Supply of **Hydraulic Excavator of 0.9 m3 bucket** on hire basis including operator, fuel and other incidental charges etc., complete [Page No: A-44, Sl No.49, Vol 1] SR 2023-24								
	(3 days x 5 hours x 12 months)					180.00	1,485.00	Hr	2,67,300.00
	Basic Rate	1350.00							
	Area Weightage @ 10%	135.00							
	Total	1485.00							
11	Supply of **Tipper-5.5 m3** on hire basis including operator, fuel and other incidental charges etc., complete [Page No: A-47, Sl No.126, Vol 1] SR 2023-24								
	(4 days x 8 hours x 12 months)					384.00	1,553.20	Hr	5,96,428.80
	Basic Rate	1412.00							
	Area Weightage @ 10%	141.20							
	Total	1553.20							
12	Supply of Material component **M-Sand - Fine** for all road works. [P. No-A-40, SL. No- 64, Vol-1] SR 2023-24								
						150.00	1,623.60	Cum	2,43,540.00
	Basic Rate	1476.00							
	Area Weightage @ 10%	147.60							
	Total	1623.60							
13	Supply of Material component **Granular Aggregates of 12mm downsize** for all road works. [P. No-A-38, SL. No- 3, Vol-1] SR 2023-24								
						120.00	1,466.30	Cum	1,75,956.00
	Basic Rate	1333.00							
	Area Weightage @ 10%	133.30							
	Total	1466.30							
14	Supply of Material component **Granular Aggregates of 20mm downsize** for all road works. [P. No-A-38, SL. No- 4, Vol-1] SR 2023-24								
						100.00	1,466.30	Cum	1,46,630.00
	Basic Rate	1333.00							
	Area Weightage @ 10%	133.30							
	Total	1466.30							
15	Supply of Material component **Granular Aggregates of 40mm downsize** for all road works. [P. No-A-38, SL. No- 7, Vol-1] SR 2023-24								
						100.00	1,309.00	Cum	1,30,900.00
	Basic Rate	1190.00							
	Area Weightage @ 10%	119.00							
	Total	1309.00							
16	Supply of Material component **Cement (OPC/PPC/PSC)** for all road works. [P. No-A-39, SL. No- 31, Vol-1] SR 2023-24								
						450.00	322.30	Bag	1,45,035.00
	Basic Rate	293.00							
	Area Weightage @ 10%	29.30							
	Total	322.30							
17	**Provision for tool - Equipments (Masonry Trowel, Head Pan, Digging Bar, Hammer, Tamper, Hand Gloves, Rubber Boots, etc.,)**							LS	25,000.00
						1.00	25,000.00		
						Sub Total Amount Rs.			49,24,440.62
						Add GST @ 28% For Cement			40,609.80

						Add GST @ 18% Rs.	5,34,300.69
						Miscellaneous and unforeseen charges etc.L.S	381.14
						TOTAL AMOUNT	55,00,000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2021-2022 and Data rates

Assistant Engineer

Asst. Executive Engineer,
Yelahanka Satellite Town Sub Division
BBMP Bangalore

Executive Engineer,
Yelahanka Division
BBMP Bangalore

Administrative Sanction for Rs. 55.00 Lakhs
Rupees Fifty Five lakhs Only
is accorded under head P-3726
Public Zonal works
Registered as CE No. 16 Subject to conditions contained in enclosed memo No. BBMP/EE/YNKD/AS/16/23-24 Dt. 08/12/2023

Executive Engineer

Technical Sanction
Accorded For Rs. 55.00 Lakhs.
Head of A/C P-3726
CER NO : 41 Dt: 11/12/2023